

Docket No: AdVec10IA-C1

Serial No: 09/978,464

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

- 1 1. (previously presented) A method for making an infectious adenovirus having enhanced  
2 efficiency which comprises contacting a cell with or introducing into a cell:
- 3 (a) a first nucleic acid sequence encoding adenovirus sequences which, in the absence  
4 of intermolecular recombination, are incapable to encode an infectious, replicable  
5 or packageable adenovirus; and
- 6 (b) a second nucleic acid sequence encoding adenovirus sequences which, in the  
7 absence of adenoviral replication factors provided in trans or intermolecular  
8 recombination with said first nucleic acid sequence, are incapable to encode an  
9 infectious, replicable or packageable adenovirus;
- 10 provided that said first and said second nucleic acid sequences each comprise a head-to-  
11 head ITR junction and said first nucleic acid and said second nucleic acid comprise  
12 recombinase recognition sites and wherein said first and said second nucleic acids are  
13 contacted with a recombinase which recognizes said first nucleic acid and said second  
14 nucleic acid recombinase recognition sites; whereby said first and said second nucleic  
15 acids recombine to form said infectious adenovirus.
- 1 2 (original) The method according to claim 1 wherein said first nucleic acid sequence is a  
2 plasmid containing a circularized adenovirus DNA molecule.
- 1 3 (previously presented) The method according to claim 2 wherein said plasmid includes a  
2 bacterial origin of DNA replication, an antibiotic resistance gene for selection in bacteria,  
3 a deletion or modification in E1 that renders the adenoviral sequences incapable to form